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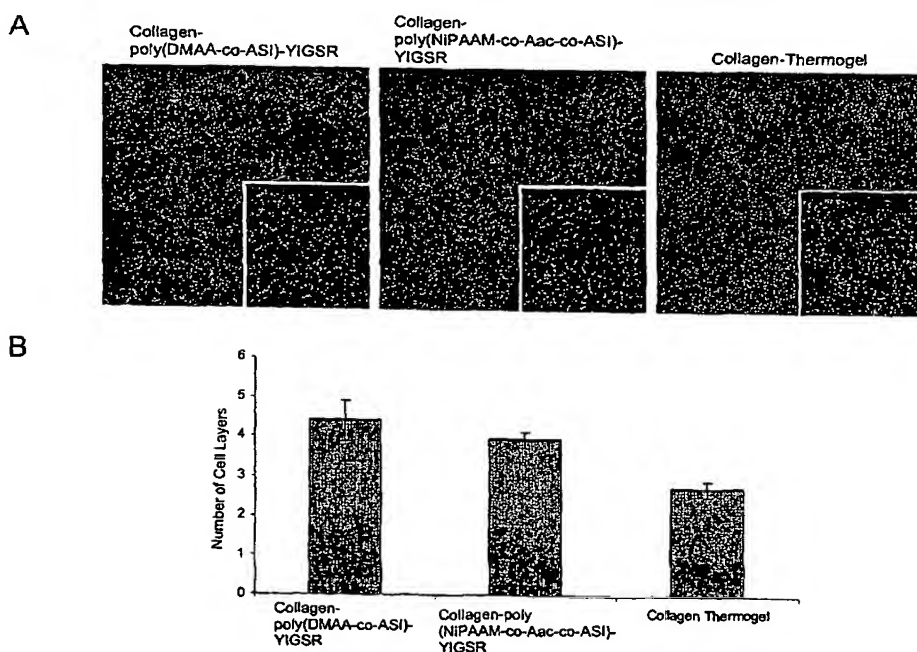
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(54) Title: **INNERVATED ARTIFICIAL TISSUES AND USES THEREOF**



(57) Abstract: A three dimensional, innervated artificial tissue comprising a bio-synthetic matrix is provided. The artificial tissue supports cell growth, including surface coverage and three-dimensional cell in-growth, as well as nerve in-growth. Methods of preparing the innervated artificial tissue and methods of innervating artificial tissues or tissue substitutes are also provided. The artificial tissue is useful for in vitro testing of various pharmaceutical, cosmetic and household products.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, BIOSIS, EMBASE, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 02286 A (CYTOTHERAPEUTICS INC) 1 February 1996 (1996-02-01)	1-3, 7-10, 13, 21, 22, 25, 26
Y	page 3, line 11 - line 17 page 7, line 31 - page 8, line 8 page 8, line 34 - page 9, line 4 page 11, line 19 - line 27 page 14, line 24 - line 26 page 15, line 23 - line 25 page 16, line 4 - line 12 page 19, line 5 - line 17 page 24, line 7 - line 20 page 24, line 31 - page 25, line 5; claims 10, 11, 15, 16 --- -/--	12, 14, 15, 17

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Y	<p>WO 99 55252 A (VACANTI CHARLES A ;UNIV MASSACHUSETTS (US); VACANTI JOSEPH P (US);) 4 November 1999 (1999-11-04) page 4, line 32 -page 5, line 29 page 7, line 20 -page 8, line 8 page 18, line 20 - line 29 page 21, line 16 - line 32 page 25, line 8 - line 22 page 38, line 20 - line 29</p>	<p>1-3, 6-17, 20-26</p>
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Y	<p>US 6 103 528 A (GUTOWSKA ANNA ET AL) 15 August 2000 (2000-08-15) column 5, line 13 - line 32; example 6</p>	<p>6</p>
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A	<p>CHIRILA T V: "An overview of the development of artificial corneas with porous skirts and the use of PHEMA for such an application" BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 22, no. 24, 15 December 2001 (2001-12-15), pages 3311-3317, XP004309014 ISSN: 0142-9612 the whole document</p>	

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INTERNATIONAL SEARCH REPORT

International Application No

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